

Priority Applications (No Type Date): JP 98370157 A 19981225

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes
JP 2000195659 A 9 H05B-033/04

Abstract (Basic): JP 2000195659 A

NOVELTY - The element (6) includes an organic layer (4) formed on an insulated substrate (2) and pinched between the electrodes (3, 5). A sealing unit (7) is fixed to the substrate using a seal film (8) consisting of an adhesive agent, sealing the element in the dry condition. A preset amount of water catching agent (11) is fixed to an adhesive resin film (10) formed on the sealing unit opposite the element.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for an organic electroluminescent element manufacture.

USE - Used for display.

ADVANTAGE - Provides water catching agent to efficiently catch water and gas molecules existing in element after sealing, thereby suppressing generation and growth of dark spots. Enables stable reproduction of organic electroluminescent element.

DESCRIPTION OF DRAWING(S) - The figure is the sectional view of the organic electroluminescent element.

Substrate (2)

Electrode (3, 5)

Organic layer (4)

Organic electroluminescent element (6)

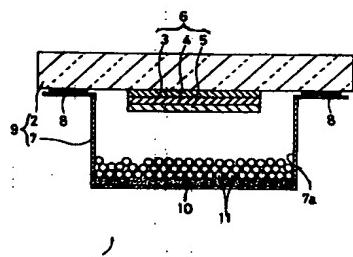
Sealing unit (7)

Seal film (8)

Adhesive resin film (10)

Water catching agent (11)

pp; 9 DwgNo 1/7



Title Terms: ORGANIC; ELECTROLUMINESCENT; ELEMENT; DISPLAY; PRESET; AMOUNT; WATER; CATCH; AGENT; FIX; ADHESIVE; RESIN; FILM; FORMING; SEAL; UNIT; OPPOSED; ELEMENT

Derwent Class: U14

International Patent Class (Main): H05B-033/04

International Patent Class (Additional): H05B-033/10; H05B-033/14

File Segment: EPI

Manual Codes (EPI/S-X): U14-J

WPI Acc No: 2000-402304/200035

XRAM Acc No: C00-121943

XRXPX Acc No: N00-301295

NOVELTY - Portland cement (9) in the form of paste or powder is used as water absorbent in an airtight envelope (8). The envelope covers an organic layer (4) which is installed between a pair of electrodes (3,5). At least one of the electrodes is made transparent. The organic layer contains a luminescent layer.

USE - In organic electroluminescent element.

ADVANTAGE - As Portland cement is used as water absorbent, lowers toxicity by eliminating need for using barium oxide. Reduces cost due to use of the Portland cement as water absorbent. Prevents growth of dark spot by eliminating presence of water component using Portland cement.

DESCRIPTION OF DRAWING(S) - The figure shows cross sectional view of the organic electroluminescent element.

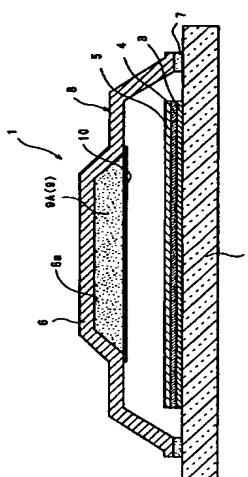
electrodes (3,5)

organic layer (4)

airtight envelope (8)

Portland cement (9)

pp; 5 DwgNo 2/3



Title Terms: ORGANIC; ELECTROLUMINESCENT; ELEMENT; PORTLAND; CEMENT; WATER; ABSORB; AIRTIGHT; ENVELOPE

Derwent Class: L03; U14; X26

International Patent Class (Main): H05B-033/04

International Patent Class (Additional): C09K-011/06; H05B-033/14

File Segment: CPI; EPI

Manual Codes (CPI/A-N): L03-C04

Manual Codes (EPI/S-X): U14-J02B; X26-J

WPI Acc No: 2000-509852/ 200046

XRXPX Acc No: N00-377470

Organic electroluminescent element used for display, has preset amount of water catching agent that is fixed to adhesive resin film which is formed on sealing unit opposite element

Patent Assignee: FUTABA DENSHI KOGYO KK (FUTK)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2000195659	A	20000714	JP 98370157	A	19981225	200046 B

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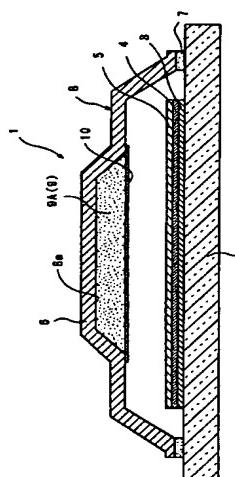
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pp; 5 DwgNo 2/3



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